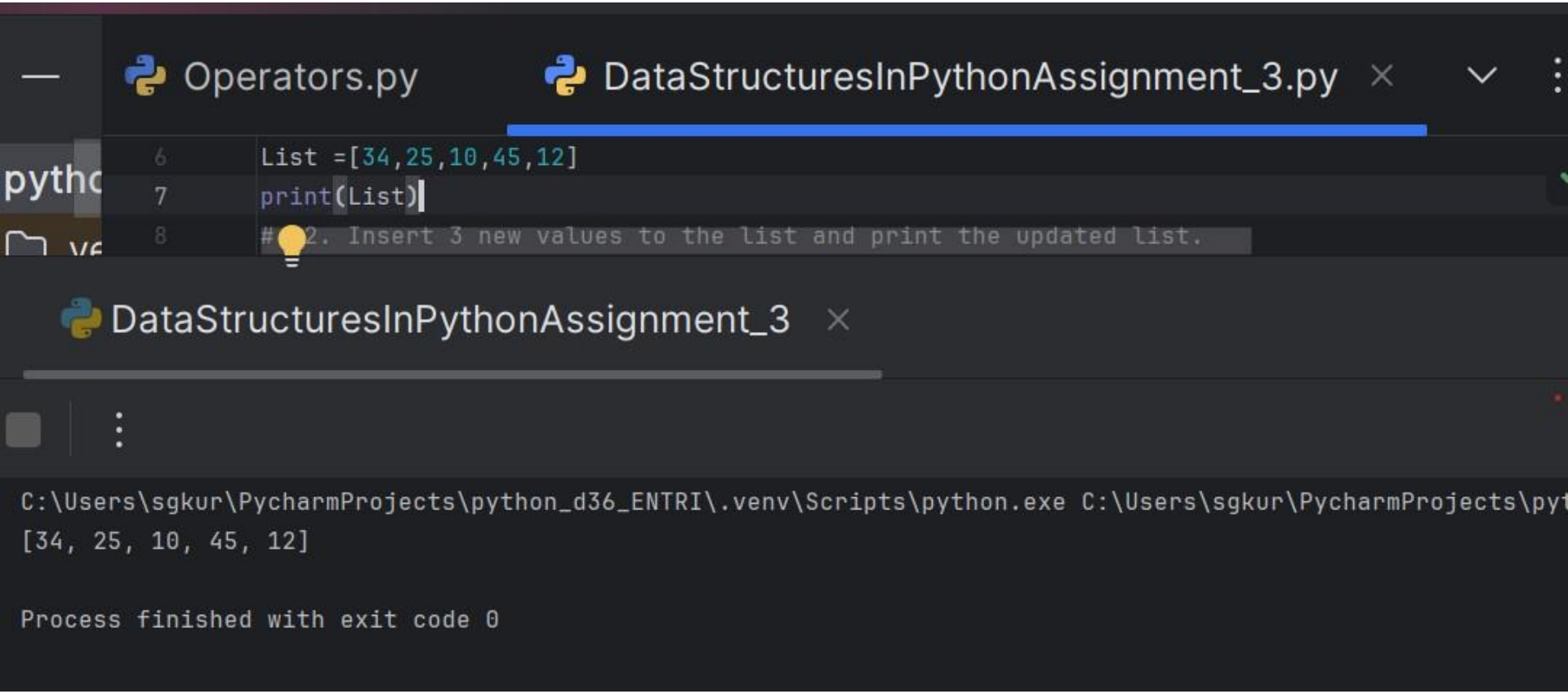
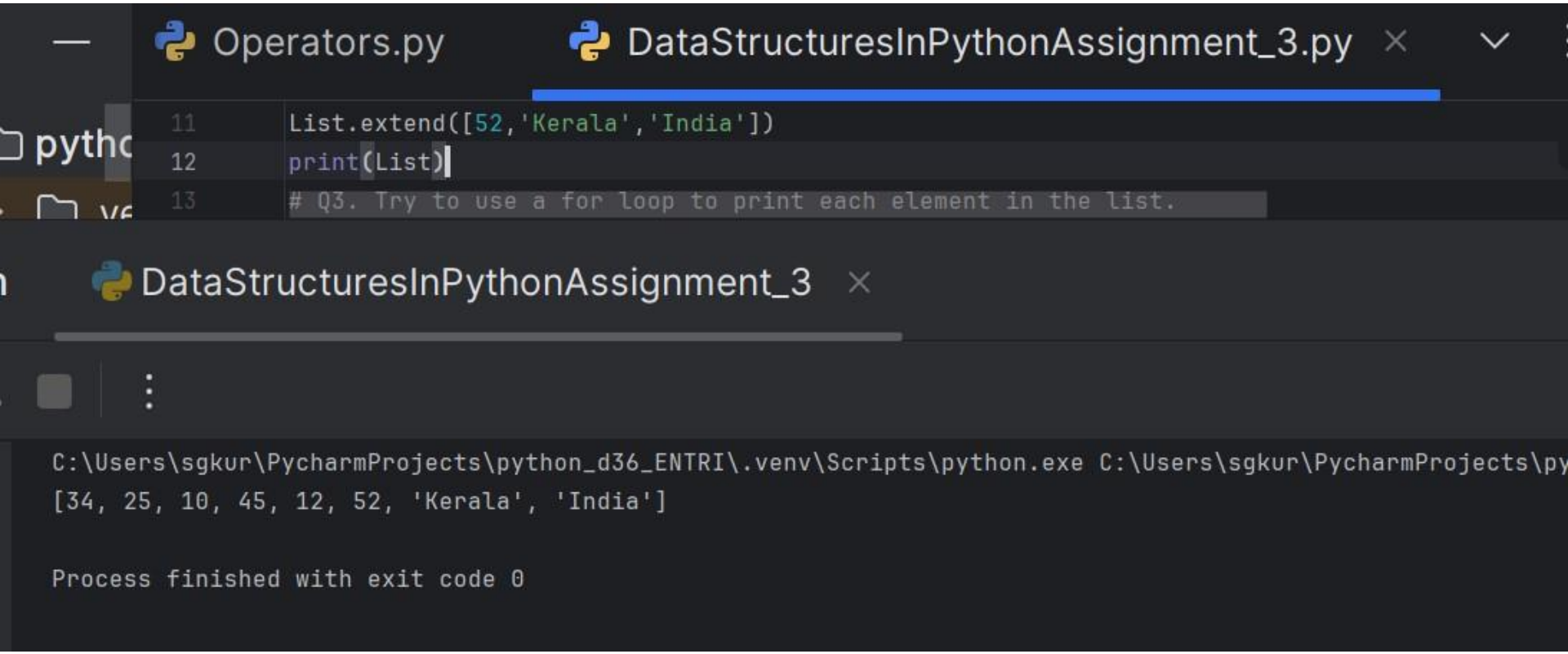
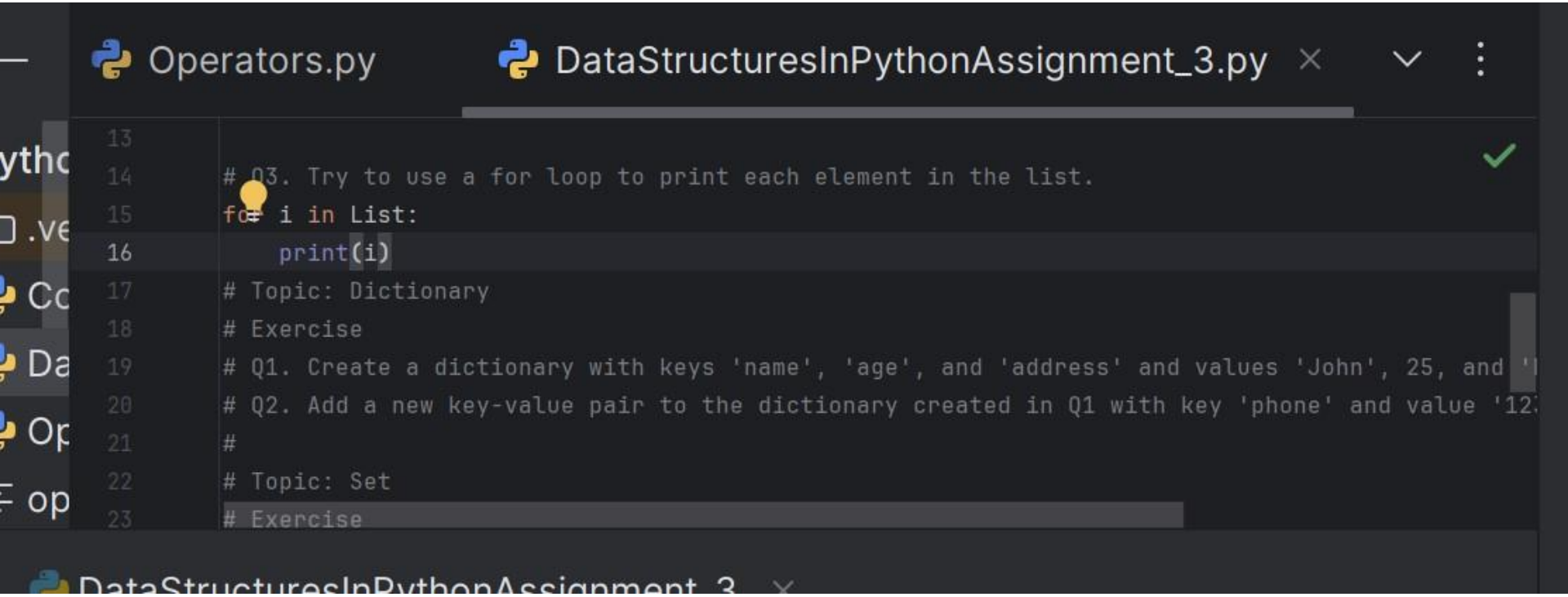
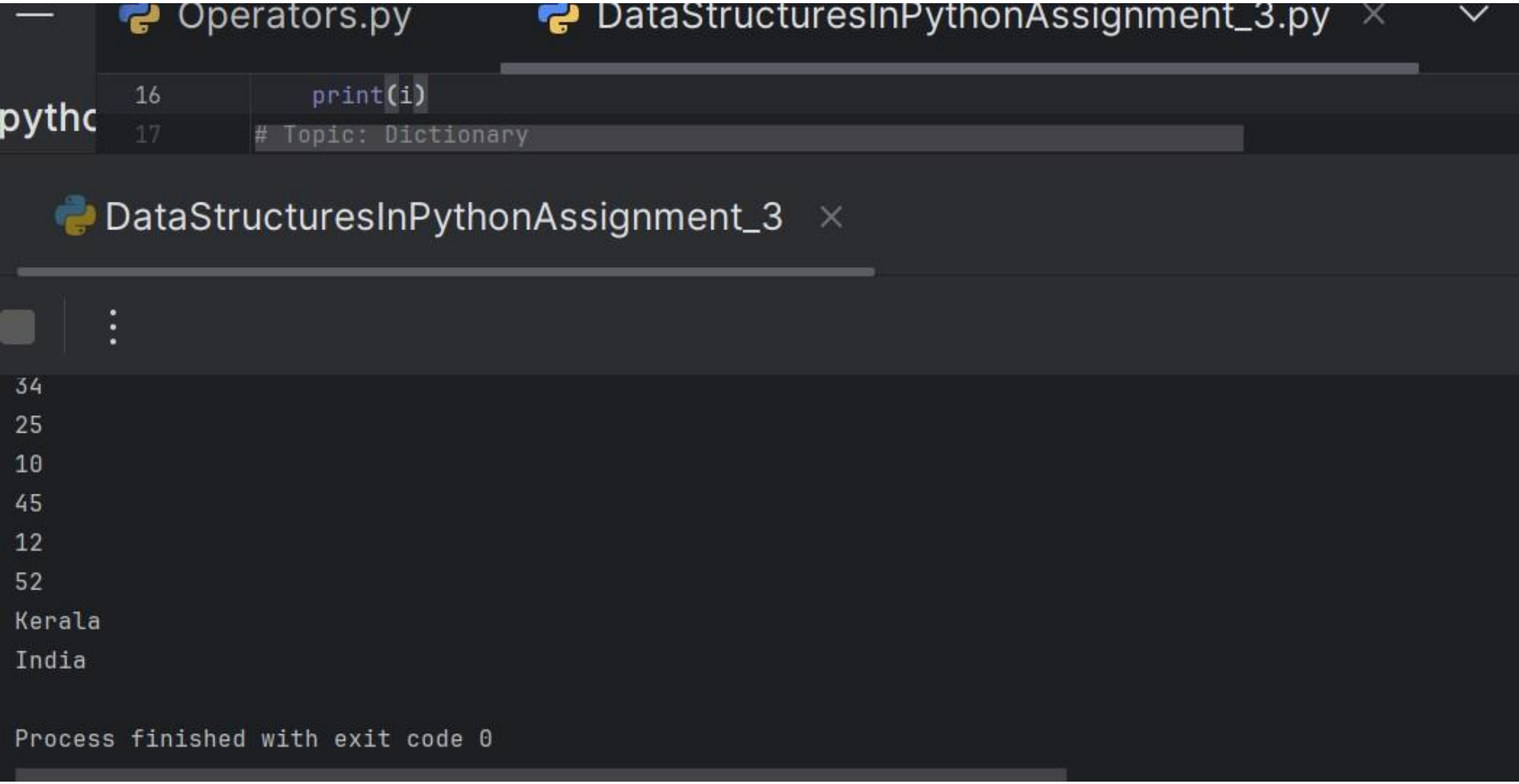
ASSIGNMENT ON DATA STRUCTURES IN PYTHON

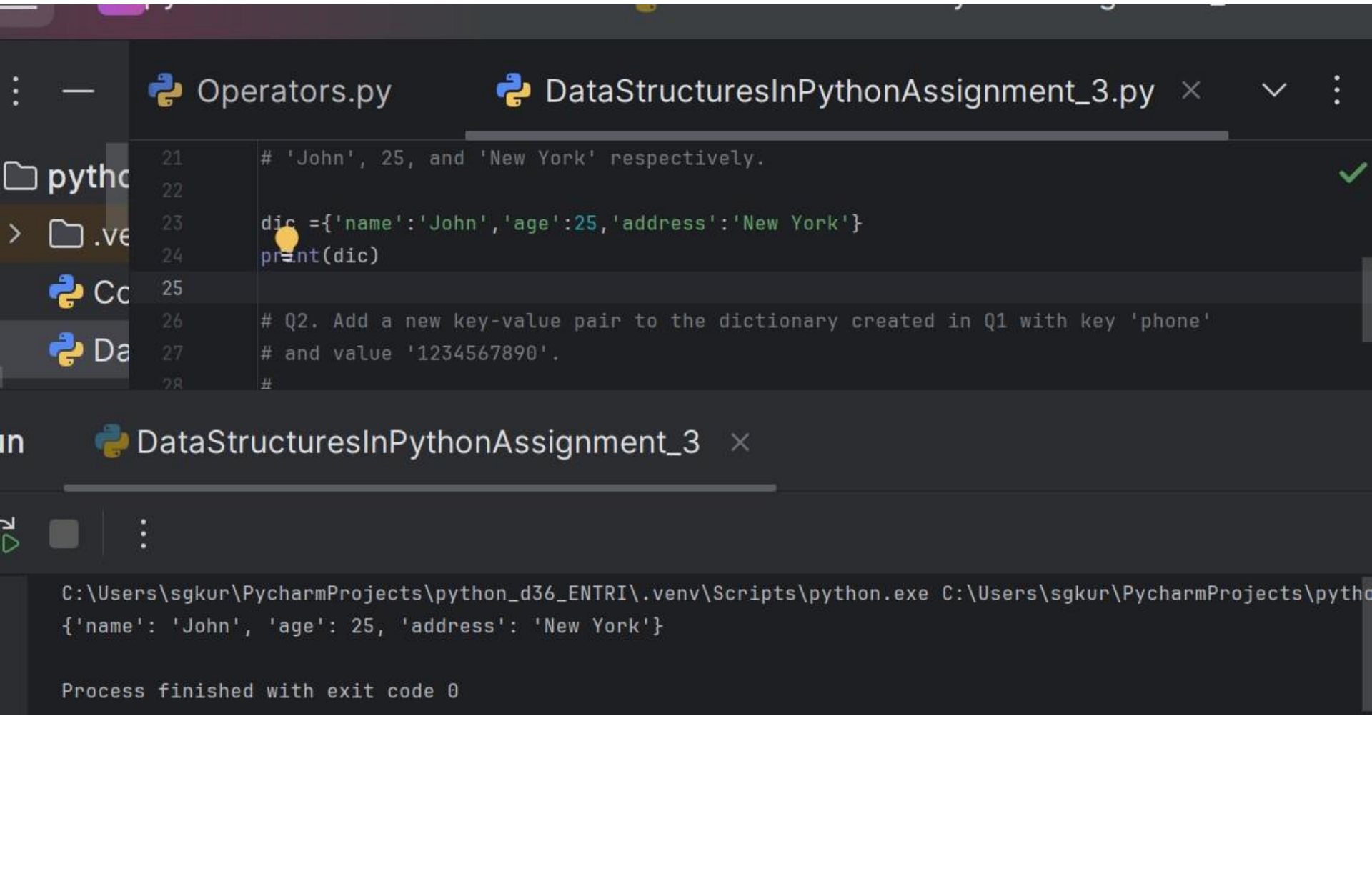
BY
SHINO MARY PHILIPOSE

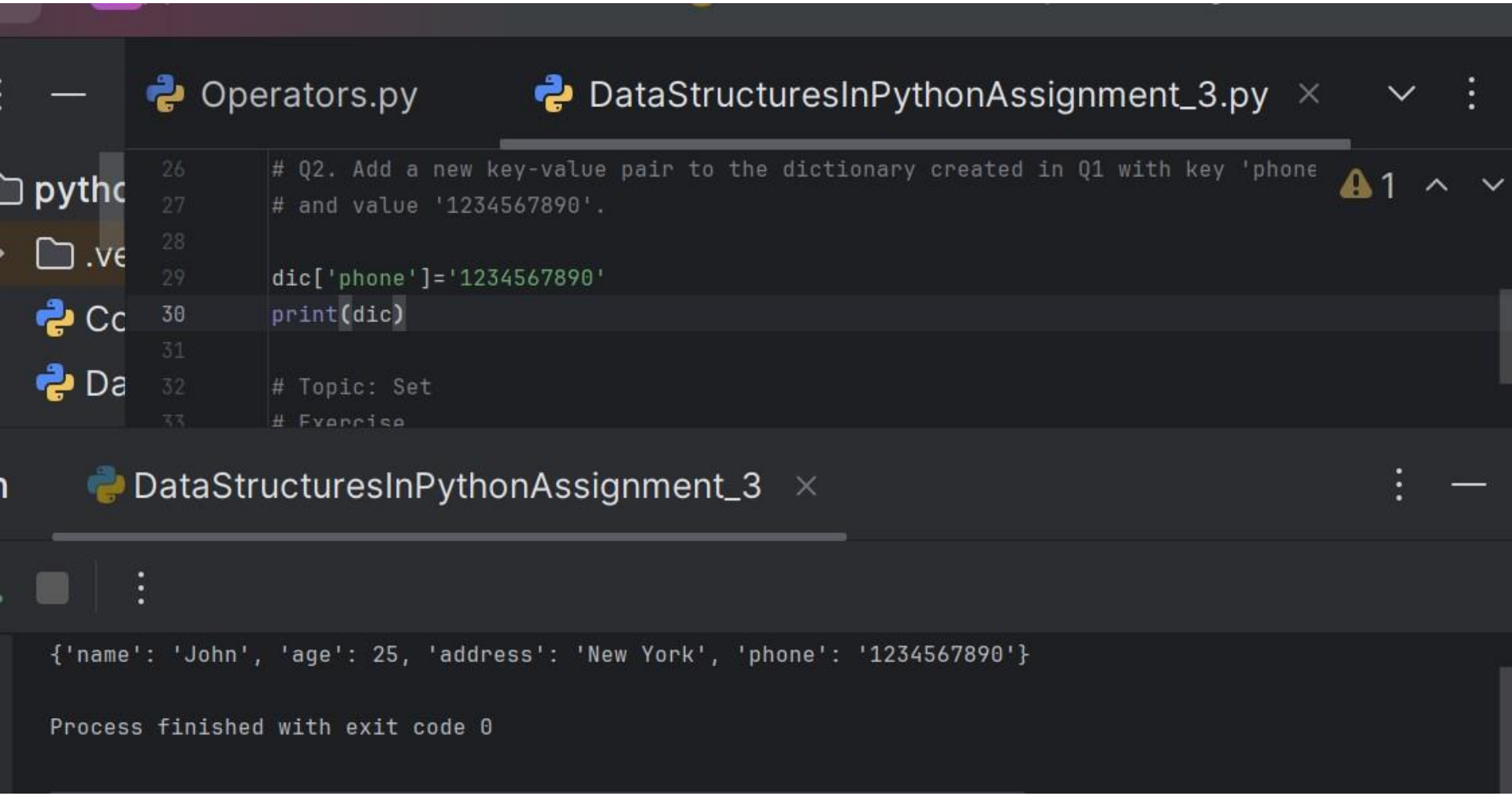

Operators.py
DataStructuresInPythonAssignment_3.py
List =[34,25,10,45,12]
print(List)
# 2. Insert 3 new values to the list and print the updated list.
DataStructuresInPythonAssignment_3
C:\Users\sgkur\PycharmProjects\python_d36_ENTRI\.venv\Scripts\python.exe C:\Users\sgkur\PycharmProjects\pyt
[34, 25, 10, 45, 12]
Process finished with exit code 0

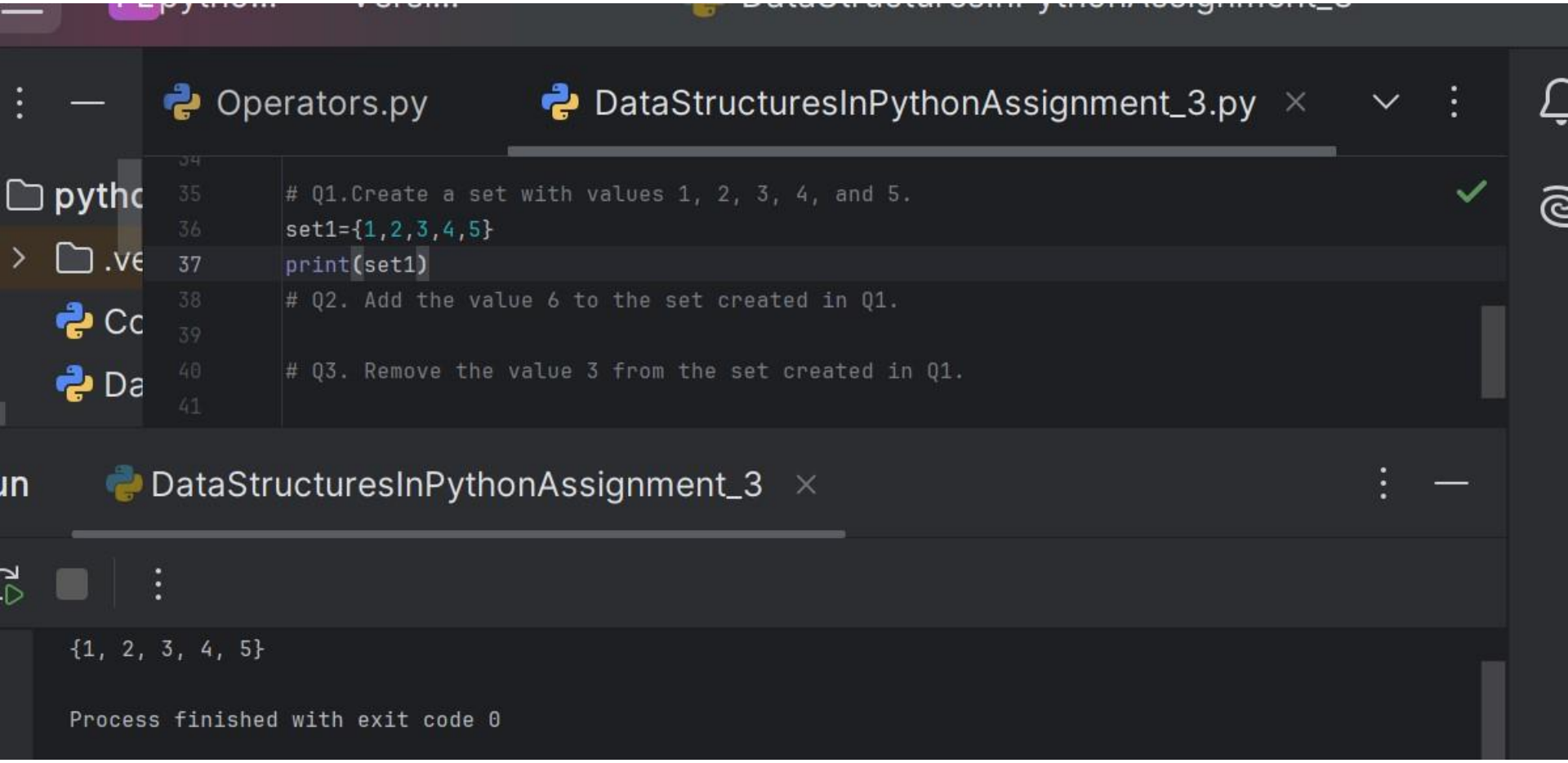

Operators.py
DataStructuresInPythonAssignment_3.py
11 List.extend([52,'Kerala','India'])
12 print(List)
13 # Q3. Try to use a for loop to print each element in the list.
DataStructuresInPythonAssignment_3
C:\Users\sgkur\PycharmProjects\python_d36_ENTRI\.venv\Scripts\python.exe C:\Users\sgkur\PycharmProjects\py
[34, 25, 10, 45, 12, 52, 'Kerala', 'India']
Process finished with exit code 0

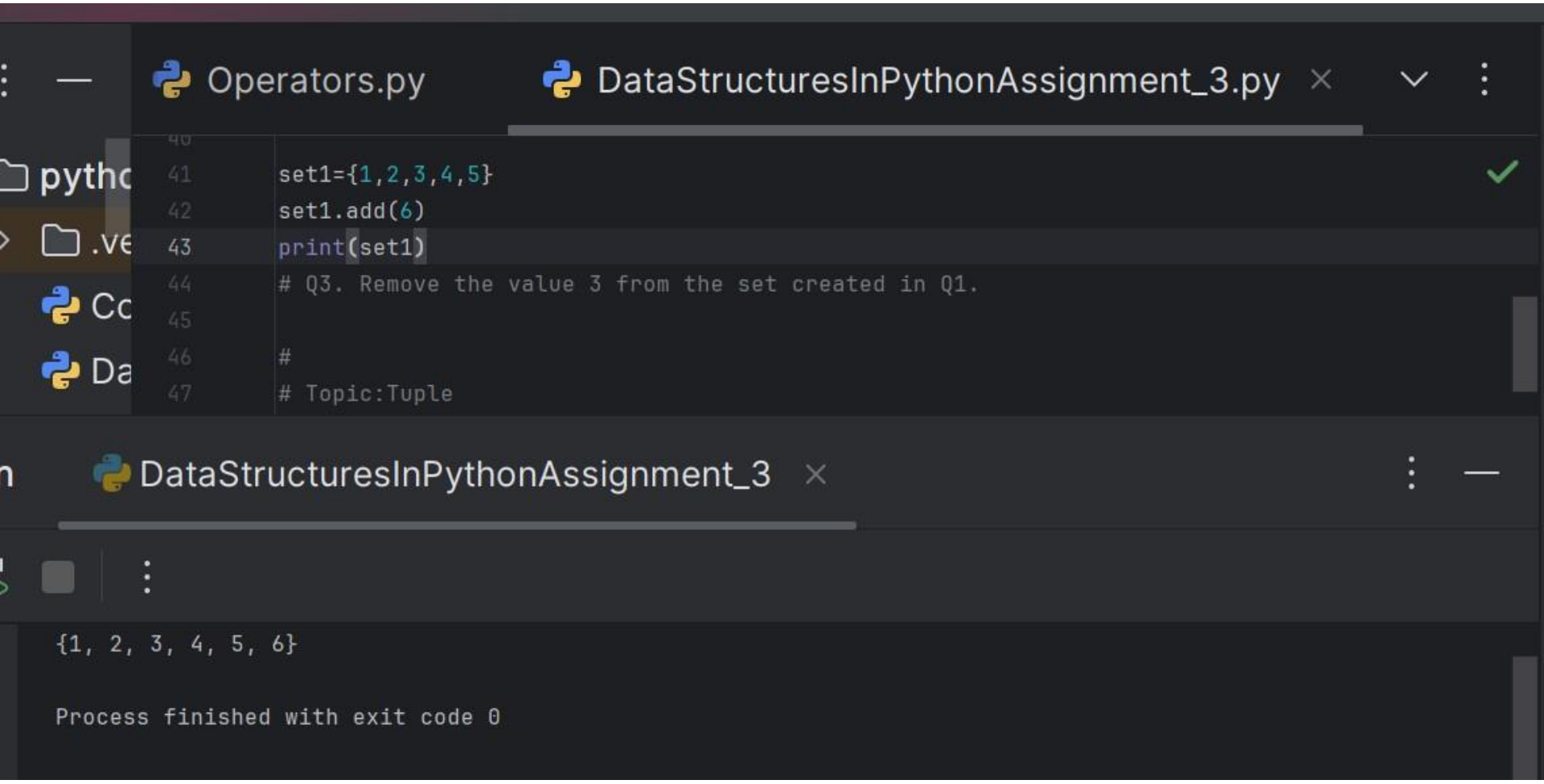

Operators.py
DataStructuresInPythonAssignment_3.py
# Q3. Try to use a for loop to print each element in the list.
for i in List:
print(i)
# Topic: Dictionary
# Exercise
# Q1. Create a dictionary with keys 'name', 'age', and 'address' and values 'John', 25, and
# Q2. Add a new key-value pair to the dictionary created in Q1 with key 'phone' and value '12
#
Topic: Set
Exercise

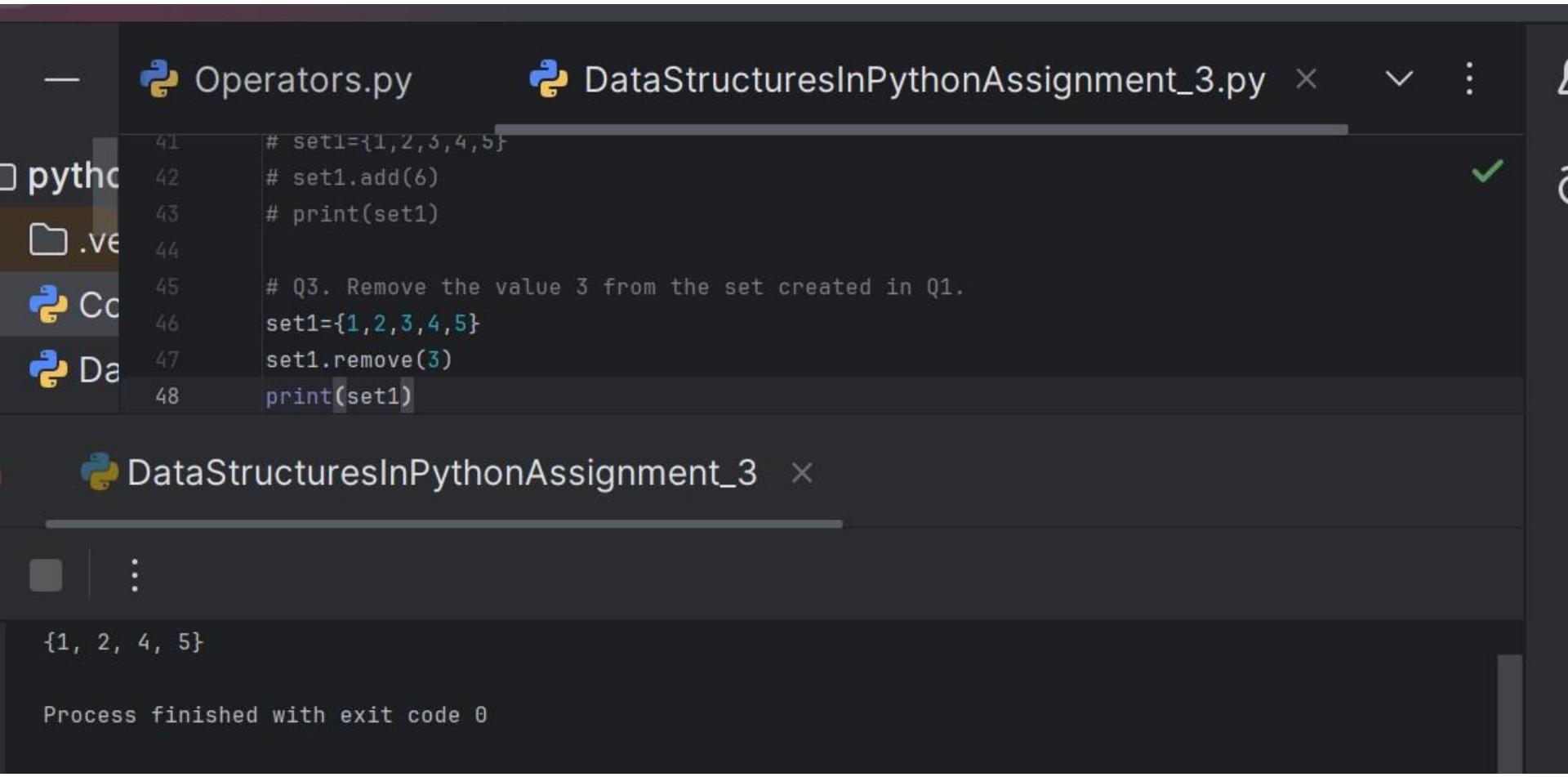

Operators.py
DataStructuresInPythonAssignment_3.py
16 print(i)
17 # Topic: Dictionary
DataStructuresInPythonAssignment_3
34
25
10
45
12
52
Kerala
India
Process finished with exit code 0

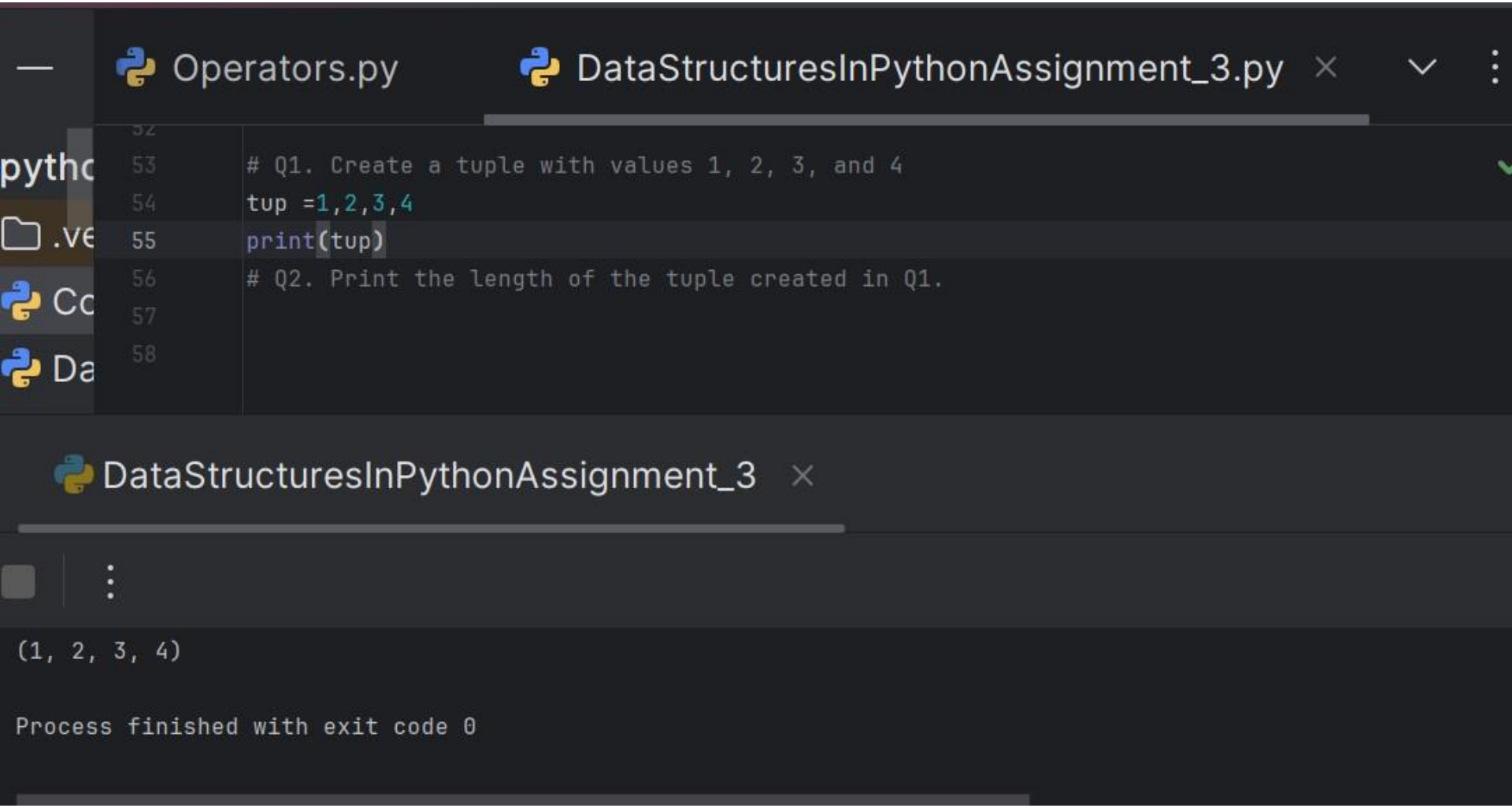

Operators.py
DataStructuresInPythonAssignment_3.py
# 'John', 25, and 'New York' respectively.
dic ={'name':'John','age':25,'address':'New York'}
print(dic)
# Q2. Add a new key-value pair to the dictionary created in Q1 with key 'phone'
# and value '1234567890'.
DataStructuresInPythonAssignment_3
C:\Users\sgkur\PycharmProjects\python_d36_ENTRI\.venv\Scripts\python.exe C:\Users\sgkur\PycharmProjects\pytho
{'name': 'John', 'age': 25, 'address': 'New York'}
Process finished with exit code 0

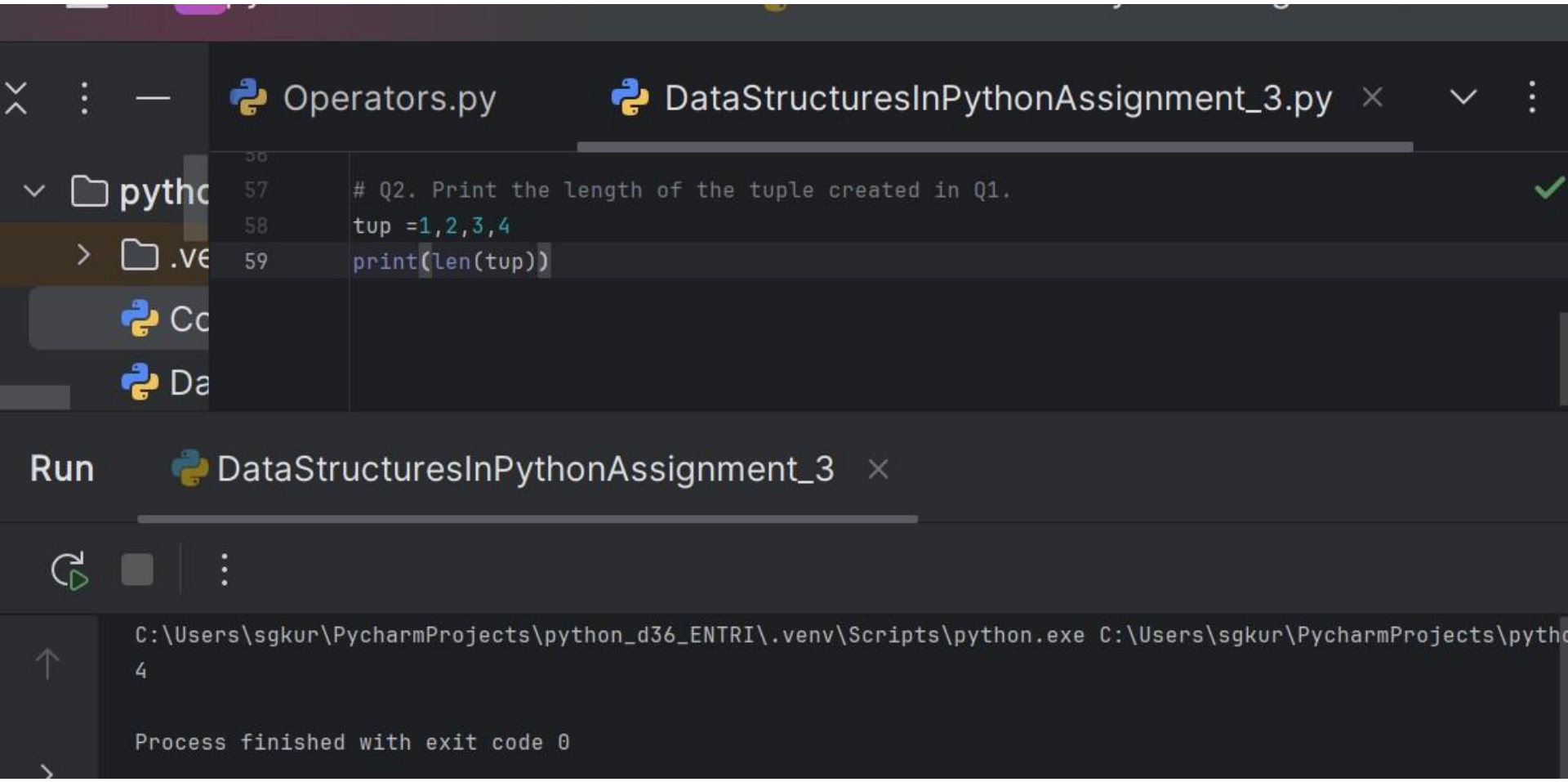

Operators.py
DataStructuresInPythonAssignment_3.py
Q2. Add a new key-value pair to the dictionary created in Q1 with key 'phone
and value '1234567890'.
dic['phone']='1234567890'
print(dic)
# Topic: Set
DataStructuresInPythonAssignment_3
{'name': 'John', 'age': 25, 'address': 'New York', 'phone': '1234567890'}
Process finished with exit code 0


Operators.py
DataStructuresInPythonAssignment_3.py
# Q1.Create a set with values 1, 2, 3, 4, and 5.
set1={1,2,3,4,5}
print(set1)
# Q2. Add the value 6 to the set created in Q1.
# Q3. Remove the value 3 from the set created in Q1.
DataStructuresInPythonAssignment_3
{1, 2, 3, 4, 5}
Process finished with exit code 0


Operators.py
DataStructuresInPythonAssignment_3.py
41 set1={1,2,3,4,5}
42 set1.add(6)
43 print(set1)
44 # Q3. Remove the value 3 from the set created in Q1.
45
46 #
47 # Topic:Tuple
DataStructuresInPythonAssignment_3
{1, 2, 3, 4, 5, 6}
Process finished with exit code 0


Operators.py
DataStructuresInPythonAssignment_3.py
# set1={1,2,3,4,5}
# set1.add(6)
# print(set1)
# Q3. Remove the value 3 from the set created in Q1.
set1={1,2,3,4,5}
set1.remove(3)
print(set1)
DataStructuresInPythonAssignment_3
{1, 2, 4, 5}
Process finished with exit code 0


Operators.py
DataStructuresInPythonAssignment_3.py
# Q1. Create a tuple with values 1, 2, 3, and 4
tup =1,2,3,4
print(tup)
# Q2. Print the length of the tuple created in Q1.
DataStructuresInPythonAssignment_3
(1, 2, 3, 4)
Process finished with exit code 0


Operators.py
DataStructuresInPythonAssignment_3.py
# Q2. Print the length of the tuple created in Q1.
tup =1,2,3,4
print(len(tup))
Run
DataStructuresInPythonAssignment_3
C:\Users\sgkur\PycharmProjects\python_d36_ENTRI\.venv\Scripts\python.exe C:\Users\sgkur\PycharmProjects\pytho
4
Process finished with exit code 0